

SEQUENCE LISTING

<110> HuBit Genomix, Inc.
Doi, Toshio

<120> A method for detecting diabetic nephropathy and kits therefor, agents for preventing and/or treating diabetic nephropathy, a method for identifying substances effective in prevention and/or treatment and kits therefor

<130> FP-039PCT

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<150> JP P2003-319538

<151> 2003-09-11

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<170> PatentIn Ver. 2.1

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ccc aaa gcc tgt tgt gtg ccc act gaa ctg agt gcc atc tcc atg ctg Pro Lys Ala Cys Cys Val Pro Thr Glu Leu Ser Ala Ile Ser Met Leu 370 375 380	1629

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gta gta gag gga tgt ggg tgc cgc tga gatcaggcag tccttgagga 1724
 Val Val Glu Gly Cys Gly Cys Arg
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<210> 12

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<212> DNA

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20

<210> 13

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<212> DNA

<213> Artificial Sequence

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<211> 27

<212> DNA

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27

<210> 15

<211> 19

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<223> Description of Artificial Sequence: synthetic DNA

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19

<210> 16

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 aaaatgtgca ctatcggat gagcttcgtg aagggttggg gagccgaata ccaccggcag 180
 gatgttacca gcacccctg ctggattgag atccatctgc atggccctct ccagtggctg 240
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cgcagccccg gcctctcggc ctctgccgga gaaacagtig ggacccctga ttttagcagg 240

atg gcc caa tgg aat cag cta cag cag ctt gac aca cgg tac ctg gag 288
Met Ala Gln Trp Asn Gln Leu Gln Gln Leu Asp Thr Arg Tyr Leu Glu
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Gln Leu His Gln Leu Tyr Ser Asp Ser Phe Pro Met Glu Leu Arg Gln
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Phe Leu Ala Pro Trp Ile Glu Ser Gln Asp Trp Ala Tyr Ala Ala Ser
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aaa gaa tca cat gcc act ttg gtg ttt cat aat ctc ctg gga gag att 432
Lys Glu Ser His Ala Thr Leu Val Phe His Asn Leu Leu Gly Glu Ile
  50           55           60

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His Asn Leu Arg Arg Ile Lys Gln Phe Leu Gln Ser Arg Tyr Leu Glu
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Lys Pro Met Glu Ile Ala Arg Ile Val Ala Arg Cys Leu Trp Glu Glu
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tca cgc ctt cta cag act gca gcc act gcg gcc cag caa ggg ggc cag 624
Ser Arg Leu Leu Gln Thr Ala Ala Thr Ala Ala Gln Gln Gly Gly Gln
 115           120           125

gcc aac cac ccc aca gca gcc gtg gtg acg gag aag cag cag atg ctg 672
Ala Asn His Pro Thr Ala Ala Val Val Thr Glu Lys Gln Gln Met Leu
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Lys Met Lys Val Val Glu Asn Leu Gln Asp Asp Phe Asp Phe Asn Tyr	
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Lys Thr Leu Lys Ser Gln Gly Asp Met Gln Asp Leu Asn Gly Asn Asn	
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Asn Ile Cys Leu Asp Arg Leu Glu Asn Trp Ile Thr Ser Leu Ala Glu	
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Gln Lys Val Ser Tyr Lys Gly Asp Pro Ile Val Gln His Arg Pro Met	
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Leu Glu Glu Arg Ile Val Glu Leu Phe Arg Asn Leu Met Lys Ser Ala	
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Phe Val Val Glu Arg Gln Pro Cys Met Pro Met His Pro Asp Arg Pro	
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Ile Gly Pro Phe Phe Asp Gly Ser Ile Arg Trp Leu Val Leu Leu Ile			
145	150	155	
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Ser Met Ala Val Cys Ile Ile Ala Met Ile Ile Phe Ser Ser Cys Phe			
160	165	170	
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Cys Tyr Lys His Tyr Cys Lys Ser Ile Ser Ser Arg Arg Arg Tyr Asn			
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cgt gat ttg gaa cag gat gaa gca ttt att cca gtt gga gaa tca cta			1166
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Thr Gln Leu Tyr Leu Ile Thr Asp Tyr His Glu Asn Gly Ser Leu Tyr				
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Asp Phe Leu Lys Cys Ala Thr Leu Asp Thr Arg Ala Leu Leu Lys Leu				
320		325	330	
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Gly Thr Gln Gly Lys Pro Ala Ile Ala His Arg Asp Leu Lys Ser Lys				
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Asn Ile Leu Ile Lys Lys Asn Gly Ser Cys Cys Ile Ala Asp Leu Gly				
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Leu Ala Val Lys Phe Asn Ser Asp Thr Asn Glu Val Asp Val Pro Leu				
385		390	395	
aat acc agg gtg ggc acc aaa cgc tac atg gct ccc gaa gtg ctg gac				1790
Asn Thr Arg Val Gly Thr Lys Arg Tyr Met Ala Pro Glu Val Leu Asp				
400		405	410	
gaa agc ctg aac aaa aac cac ttc cag ccc tac atc atg gct gac atc				1838
Glu Ser Leu Asn Lys Asn His Phe Gln Pro Tyr Ile Met Ala Asp Ile				
415		420	425	430
tac agc ttc ggc cta atc att tgg gag atg gct cgt cgt tgt atc aca				1886
Tyr Ser Phe Gly Leu Ile Ile Trp Glu Met Ala Arg Arg Cys Ile Thr				
435		440	445	
gga ggg atc gtg gaa gaa tac caa ttg cca tat tac aac atg gta ccg				1934
Gly Gly Ile Val Glu Glu Tyr Gln Leu Pro Tyr Tyr Asn Met Val Pro				

450	455	460	
agt gat ccg tca tac gaa gat atg cgt gag gtt gtg tgt gtc aaa cgt			1982
Ser Asp Pro Ser Tyr Glu Asp Met Arg Glu Val Val Cys Val Lys Arg			
465	470	475	
ttg cgg cca att gtg tct aat cgg tgg aac agt gat gaa tgt cta cga			2030
Leu Arg Pro Ile Val Ser Asn Arg Trp Asn Ser Asp Glu Cys Leu Arg			
480	485	490	
gca gtt ttg aag cta atg tca gaa tgc tgg gcc cac aat cca gcc tcc			2078
Ala Val Leu Lys Leu Met Ser Glu Cys Trp Ala His Asn Pro Ala Ser			
495	500	505	510
aga ctc aca gca ttg aga att aag aag acg ctt gcc aag atg gtt gaa			2126
Arg Leu Thr Ala Leu Arg Ile Lys Lys Thr Leu Ala Lys Met Val Glu			
515	520	525	
tcc caa gat gta aaa atc tga tggtaaacc atcgaggag aaactctaga			2177
Ser Gln Asp Val Lys Ile			
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ctgcaagaac tgtttttacc catggcatgg gtggaattag agtggataa ggatgttaac 2237			
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 aaaaaaaaaa aaaa 3631

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<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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19

<210> 22

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

<400> 22

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<210> 23
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic DNA

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19

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<212> DNA
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<223> Description of Artificial Sequence: synthetic DNA

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21